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L2 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2003:241777 HCAPLUS
 DOCUMENT NUMBER: 138:275920
 TITLE: Method of treating **hair** with heat and a cap
 which provides a signal regarding treatment
 INVENTOR(S): **Pyles, Daniel Raymond**
 PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, USA
 SOURCE: U.S. Pat. Appl. Publ., 8 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003059459	A1	20030327	US 2001-952061	20010914
WO 2003024267	A2	20030327	WO 2002-EP10125	20020910
WO 2003024267	A3	20030904		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1424918	A2	20040609	EP 2002-798712	20020910
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

PRIORITY APPLN. INFO.: US 2001-952061 A 20010914
 WO 2002-EP10125 W 20020910

AB A **hair** covering which comprises a woven or nonwoven substrate comprising synthetic or natural materials, which are impregnated, or coated, or both, with a mutable dye is described. A composition contained Ethoqual 0-12 PG 2.00, cetearyl alc. 8,25, DC2-1786 2.00, cyclopentasiloxane 2.00, and other ingredients including water. q.s.

IC ICM A61K007-06
 ICS A61K007-13; B32B027-12

NCL 424443000; 008405000; 442123000

CC 62-3 (Essential Oils and Cosmetics)

ST **hair** treatment cap heat dye

IT **Hair** preparations
 (dyes; treating **hair** with heat and a cap which provides a signal regarding treatment)

IT **Hair** preparations
 (treating **hair** with heat and a cap which provides a signal regarding treatment)

IT 91-64-5D, Coumarin, derivs. 1485-92-3 1552-42-7, Crystal violet lactone 4222-20-2 5339-80-0, Malachite green lactone 21121-62-0, 3-Diethylamino-6-methyl-7-chlorofluoran 21934-68-9, 3-Diethylamino-6,8-dimethylfluoran 23069-39-8 26628-47-7, 3-Diethylamino-7,8-benzofluoran 27333-47-7 27333-50-2 28656-26-0 29512-46-7 29512-49-0, 3-Diethylamino-6-methyl-7-phenylaminofluoran 36431-21-7 36499-49-7 36886-76-7D, derivs. 52695-56-4 72493-39-1 75805-17-3 82137-81-3

85391-01-1 90585-79-8 97558-60-6 100463-23-8 102224-43-1
 107583-58-4 112232-42-5 114412-15-6 114412-22-5 114412-52-1
 114412-56-5 114747-44-3 114747-45-4 143053-20-7 503085-45-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (treating **hair** with heat and a cap which provides a signal
 regarding treatment)

L2 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2001:224351 HCAPLUS

DOCUMENT NUMBER: 134:256594

TITLE: **Hair** conditioning compositions comprising
 quaternary ammonium-containing silicones and
 ethoxylated monoalkyl quats

INVENTOR(S): **Pyles, Daniel Raymond**

PATENT ASSIGNEE(S): Unilever Home & Personal Care Usa, Division of
 Conopco, Inc., USA

SOURCE: U.S., 7 pp., Cont.-in-part of U.S. 6,136,304.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6207141	B1	20010327	US 1999-357454	19990720
US 6136304	A	20001024	US 1998-138229	19980821
CA 2340646	AA	20000302	CA 1999-2340646	19990818
WO 2000010524	A1	20000302	WO 1999-EP6096	19990818
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9959699	A1	20000314	AU 1999-59699	19990818
BR 9913155	A	20010515	BR 1999-13155	19990818
EP 1105093	A1	20010613	EP 1999-967820	19990818
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002523349	T2	20020730	JP 2000-565846	19990818
TW 585784	B	20040501	TW 1999-88117009	19991002
US 2001003582	A1	20010614	US 2001-764736	20010117
US 6482399	B2	20021119		
ZA 2001001263	A	20020214	ZA 2001-1263	20010214
PRIORITY APPLN. INFO.:			US 1998-138229	A2 19980821
			US 1999-357454	A 19990720
			WO 1999-EP6096	W 19990818

AB A method of imparting improved conditioning properties to **hair**
 comprising treating the **hair** with a conditioning composition
 comprising a silicone compound having at least one quaternary ammonium
 moiety and ethoxylated monoalkyl quat. A **hair** conditioner
 contained deionized water q.s., hydroxyethyl cellulose 1.3, PEG-2 2.5,
 oleammonium chloride & propylene glycol cetrimonium chloride 2,
 quaternium-80 2, disodium EDTA 0.1, Kathon CG1 0.05, DMDM hydantoin 0.1,
 benzophenone-4 0.05, fragrance 0.4, Polysorbate-20, 0.4, and 50% liquid

citric acid 0.065%.

IC ICM A61K007-075

NCL 424070280

CC 62-3 (Essential Oils and Cosmetics)

ST **hair** conditioner quaternary ammonium silicone quat

IT **Hair** preparations
(conditioners; **hair** conditioning compns. comprising quaternary ammonium-containing silicones and ethoxylated monoalkyl quats)

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hydroxypropoxy]propyl group-terminated, acetates (salts); **hair** conditioning compns. comprising quaternary ammonium-containing silicones and ethoxylated monoalkyl quats)

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(quaternary ammonium group-containing; **hair** conditioning compns. comprising quaternary ammonium-containing silicones and ethoxylated monoalkyl quats)

IT 112-02-7, Cetrimonium chloride 20182-63-2, Stearamidopropyl dimethylamine 28880-55-9 52012-71-2, Quat 81859-24-7, Polyquaternium 10
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair** conditioning compns. comprising quaternary ammonium-containing silicones and ethoxylated monoalkyl quats)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:756495 HCAPLUS

DOCUMENT NUMBER: 133:325445

TITLE: **Hair** conditioning compositions containing surfactants and amino acids

INVENTOR(S): **Pyles, Daniel Raymond**; Crudele, Joanne; Evans, Trefor; Shah, Varsha; Bergmann, Wolfgang Robert

PATENT ASSIGNEE(S): Unilever Plc, UK; Unilever N. V.; Hindustan Lever Ltd.

SOURCE: PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062747	A1	20001026	WO 2000-EP3197	20000407
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2001008630	A1	20010719	US 1999-294040	19990419

US 6432394 B2 20020813
PRIORITY APPLN. INFO.: US 1999-294040 A 19990419
AB **Hair** conditioning shampoo compns. contain 0.05-5% of 1 or more dibasic amino acids, 5-50% of 1 or more surfactants, 0.05-10% of 1 or more silicones, and water. The invention also relates to a method for conditioning **hair** which comprises contacting the **hair** with a composition according to the invention. Thus, a formulation contained sodium laureth sulfate 56, cocamidopropyl betaine 6.7, Carbomer 0.4, Dimethiconol and TEA doddecylbenzenesulfonate 4, propylene glycol 0.5, L-lysine-HCl 2, and additives qs and water qs to 100%. The formulation better wet combing than that containing sodium glutamate.
IC ICM A61K007-06
CC 62-3 (Essential Oils and Cosmetics)
ST **hair** conditioning surfactant amino acid
IT **Hair** preparations
(conditioners; **hair** conditioning compns. containing surfactants and amino acids)
IT Shampoos
(conditioning; **hair** conditioning compns. containing surfactants and amino acids)
IT Amino acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(dibasic; **hair** conditioning compns. containing surfactants and amino acids)
IT Surfactants
(**hair** conditioning compns. containing surfactants and amino acids)
IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair** conditioning compns. containing surfactants and amino acids)
IT 56-87-1, Lysine, biological studies 70-26-8, Ornithine 74-79-3, Arginine, biological studies 305-62-4, α,γ -Diaminobutyric acid 1188-07-4 1190-94-9, 5-Hydroxylysine 10098-89-2, Lysine hydrochloride 31692-79-2, Dimethiconol
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair** conditioning compns. containing surfactants and amino acids)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:592517 HCAPLUS

DOCUMENT NUMBER: 133:198387

TITLE: **Hair** conditioning compositions containing mono and dialkyl quats with silicones

INVENTOR(S): **Pyles, Daniel Raymond**

PATENT ASSIGNEE(S): Unilever Plc, UK; Unilever NV; Hindustan Lever Limited

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000048556      A1      20000824      WO 2000-EP907      20000204
W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
    CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
    IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
    MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
    SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ,
    BY, KG, KZ, MD, RU, TJ, TM
RW:  GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
    DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
    CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 2002015686      A1      20020207      US 1999-252564      19990218
CA 2362267          AA      20000824      CA 2000-2362267      20000204
EP 1150647          A1      20011107      EP 2000-902656      20000204
R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
    IE, SI, LT, LV, FI, RO
BR 2000008343      A      20020129      BR 2000-8343          20000204
TR 200102365        T2      20020321      TR 2001-200102365    20000204
JP 2002537237        T2      20021105      JP 2000-599350        20000204
AU 764709            B2      20030828      AU 2000-24413          20000204
ZA 2001006686        A      20020814      ZA 2001-6686          20010814
US 2003039623        A1      20030227      US 2002-243248        20020913
PRIORITY APPLN. INFO.:
US 1999-252564      A      19990218
WO 2000-EP907      W      20000204

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OTHER SOURCE(S): MARPAT 133:198387

AB The present invention relates an opaque or clear conditioner which comprises a monoalkyl quat from C14 to higher carbon chain lengths (preferably C16 to C22) and a dialkyl quat from C14 to higher carbon chain lengths (preferably C16 to C18). Also included is a silicone compound and an emulsifier. Also optionally included is an amount of fatty alc. necessary to opacify the conditioner. The monoalkyl quat is necessary in a ratio to the dialkyl quat of about 15:1 to about 2:1. The fatty alc. is optionally present in an amount from about 1 % to about 4 %. A **hair** conditioner contained cetrimonium chloride 2.8, distearyldimonium chloride 0.15, cetyl alc. 3, DC 2-1787, and excipients q.s. 100%.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST quaternary ammonium compd silicone **hair** conditioner

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

((hydrogenated tallow alkyl)trimethyl, chlorides; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Polysiloxanes, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

([(aminoethyl)amino]propyl hydroxy, di-Me, Amodimethicone; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Quaternary ammonium compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(alkyl; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT **Hair** preparations

(conditioners; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Cyclosiloxanes

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(di-Me; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (fatty; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Emulsifying agents
 Opacifiers
 (**hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (**hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (trimethylsoya alkyl, chlorides; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (trimethyltallow alkylammonium chlorides; **hair** conditioning compns. containing mono and dialkyl quats with silicones)

IT 57-09-0, Cetrimonium bromide 107-64-2, Distearyltrimethylammonium chloride 112-02-7 112-03-8, Stearyltrimethylammonium chloride 138-32-9, Cetrimonium tosylate 1812-53-9, Dicetyltrimethylammonium chloride 9006-65-9, Dimethicone 15809-05-9, Eicosyltrimethylammonium chloride 17301-53-0 20182-63-2, Stearamidopropyl dimethylamine 28880-55-9, PEG-2 Oleammonium chloride 31692-79-2, Dimethiconol 36653-82-4, Cetyl alcohol 68797-65-9, Behenamidopropyl ethyldimonium ethosulfate 81646-13-1 288839-50-9, Stearylloctyldimonium methosulfate 289471-15-4, Dow Corning 949
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (**hair** conditioning compns. containing mono and dialkyl quats with silicones)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:144699 HCAPLUS

DOCUMENT NUMBER: 132:198847

TITLE: **Hair** conditioning compositions containing silicones and quaternary ammonium compounds

INVENTOR(S): **Pyles, Daniel Raymond**

PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000010524	A1	20000302	WO 1999-EP6096	19990818

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6136304	A	20001024	US 1998-138229	19980821
US 6207141	B1	20010327	US 1999-357454	19990720
CA 2340646	AA	20000302	CA 1999-2340646	19990818
AU 9959699	A1	20000314	AU 1999-59699	19990818
BR 9913155	A	20010515	BR 1999-13155	19990818
EP 1105093	A1	20010613	EP 1999-967820	19990818

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2002523349	T2	20020730	JP 2000-565846	19990818
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PRIORITY APPLN. INFO.:
 US 1998-138229 A 19980821
 US 1999-357454 A 19990720
 WO 1999-EP6096 W 19990818

AB A method of imparting improved conditioning properties to **hair** comprising treating the **hair** with a conditioning composition comprising a silicone compound having at least one quaternary ammonium moiety and ethoxylated monoalkyl quat. For example, a **hair** conditioning formulation containing 2.5% PEG-2 olealmonium chloride and 2% Quaternium-80 was superior to the formulation containing 2% Quaternium-80 only.

IC ICM A61K007-50
 ICS A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST polysilicone quaternary ammonium compd **hair** conditioner

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (C16-18, ethoxylated; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)

IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (bis(hydroxyethyl)methyltallow alkyl, ethoxylated, chlorides; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)

IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (coco alkylbis(hydroxyethyl)methyl, ethoxylated, chlorides; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)

IT **Hair** preparations
 (conditioners; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)

IT Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hydroxypropoxy]propyl group-terminated, acetates (salts), Abil-Quat 3270; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)

- IT Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hydroxypropoxy]propyl group-terminated, acetates (salts); **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (ethoxylated monoalkyl; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Stabilizing agents
 (foam; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Buffers
 Dyes
 Humectants
 Odor and Odorous substances
 Perfumes
 Preservatives
 Softening agents
 Thickening agents
 (**hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Acids, biological studies
 Bases, biological studies
 Salts, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (**hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (quaternary ammonium group-containing; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT Amides, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (tallow, hydrogenated, phthalic acid; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT 9011-16-9, Maleic anhydride-methyl vinyl ether copolymer
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (crosslinked; **hair** conditioning compns. containing silicones and quaternary ammonium compds.)
- IT 57-55-6, Propylene glycol, biological studies 64-17-5, Ethanol, biological studies 67-63-0, Isopropanol, biological studies 77-92-9, Citric acid, biological studies 110-80-5, Ethylene glycol monoethyl ether 111-76-2, 2-Butoxyethanol 111-77-3, Diethylene glycol monomethyl ether 111-90-0, Diethylene glycol monoethyl ether 112-02-7, Cetrimonium chloride 112-92-5, Stearyl alcohol 1310-73-2, Sodium hydroxide, biological studies 1320-67-8, Propylene glycol monomethyl ether 3844-45-9, FD&C Blue Number 1 4065-45-6, Benzophenone 4 6440-58-0, DMDM hydantoin 7447-40-7, Potassium chloride, biological studies 9000-01-5, Gum arabic 9000-30-0, Guar gum 9004-58-4, Hydroxyethyl ethyl cellulose 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 9004-65-3, Hydroxypropyl methyl cellulose 9004-67-5, Methyl cellulose 9016-45-9, Polyethylene glycol

nonyl phenyl ether 9041-56-9, Hydroxybutyl methyl cellulose
 11138-66-2, Xanthan gum 20182-63-2, Stearamidopropyl dimethylamine
 28724-32-5, PEG-15 stearamonium chloride 28880-55-9 36653-82-4, Cetyl
 alcohol 52125-53-8, Propylene glycol monoethyl ether 55965-84-9,
 Kathon CG 72300-24-4, Isostearamidopropyl morpholine lactate
 81859-24-7, Polyquaternium 10 259856-51-4, Crodarom Complex HC
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(hair conditioning compns. containing silicones and quaternary
 ammonium compds.)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:144692 HCAPLUS

DOCUMENT NUMBER: 132:185242

TITLE: Hair lightening and highlighting
 compositions containing peroxy compounds

INVENTOR(S): Newell, Gerald Patrick; Pyles, Daniel Raymond

PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000010515	A1	20000302	WO 1999-EP6097	19990818
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6274126	B1	20010814	US 1998-138189	19980821
CA 2340699	AA	20000302	CA 1999-2340699	19990818
AU 9959700	A1	20000314	AU 1999-59700	19990818
BR 9913156	A	20010515	BR 1999-13156	19990818
EP 1105086	A1	20010613	EP 1999-967819	19990818
EP 1105086	B1	20040616		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002523343	T2	20020730	JP 2000-565838	19990818
AT 269049	E	20040715	AT 1999-967819	19990818
TW 557215	B	20031011	TW 1999-88117010	19991002
ZA 2001001262	A	20020326	ZA 2001-1262	20010214
US 2002076388	A1	20020620	US 2001-23005	20011217
US 6572844	B2	20030603		
PRIORITY APPLN. INFO.:			US 1998-138189	A 19980821
			WO 1999-EP6097	W 19990818
			US 2000-558235	A3 20000424

OTHER SOURCE(S): MARPAT 132:185242

AB There is described a conditioning composition for conditioning, lightening and highlighting hair which comprises: (i) a peroxy compound; and (ii)

a conditioning agent, said composition having a pH of ≤ 5 . There is also described a method for conditioning lightening and highlighting **hair** which comprises treating the **hair** with a composition of the invention. Thus, a composition contained hydroxyethyl cellulose 1.30, PEG olealmonium chloride (69%) and propylene glycol (31%) 2.50, propylene glycol 1.50, cetrimonium chloride (30%) 2.00, liquid citric acid 50% 1.00, Quaternium-80 50% 2.00, FD&C Blue Number 1 (1%) 0.05, disodium EDTA 0.10, Kathon CG 0.05, DMDM hydantoin 0.10, fragrance 0.40, Polysorbate-20 0.40, and H₂O₂ 35% 4.00% and water qs.

- IC ICM A61K007-06
- ICS A61K007-50; A61K007-135
- CC 62-3 (Essential Oils and Cosmetics)
- ST peroxy compd **hair** lightening; quaternary ammonium peroxy **hair**
- IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hydrogenated tallow alkyl)trimethyl, chlorides; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(bis(hydrogenated tallow alkyl)dimethyl, Me sulfates; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(bis(hydrogenated tallow alkyl)dimethyl, chlorides; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT **Hair** preparations
(conditioners; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hydroxypropoxy]propyl group-terminated, acetates (salts); **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me, quaternary ammonium group-contg; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Cyclosiloxanes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(di-Me; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(dimethylditalow alkyl, chlorides; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT **Hair** preparations
(dyes; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Cosmetics
(emollients; **hair** lightening and highlighting compns. containing peroxy compds.)

- IT **Hair** preparations
 Humectants
 Odor and Odorous substances
 Perfumes
 Preservatives
 Shampoos
 Thickening agents
 (**hair** lightening and highlighting compns. containing peroxy compds.)
- IT Amine oxides
 Polysiloxanes, biological studies
 Salts, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (**hair** lightening and highlighting compns. containing peroxy compds.)
- IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (trimethyltallow alkyl, Me sulfates, hydrogenated; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT Quaternary ammonium compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (trimethyltallow alkylammonium chlorides; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT 9011-16-9, Maleic anhydride-methyl vinyl ether copolymer
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (crosslinked; **hair** lightening and highlighting compns. containing peroxy compds.)
- IT 57-09-0, Cetrimonium bromide 57-55-6, Propylene glycol, biological studies 104-74-5, Laurylpyridinium chloride 107-46-0, Hexamethyldisiloxane 107-64-2, Distearyltrimethylammonium chloride 112-00-5, Lauryltrimethylammonium chloride 112-02-7, Palmityltrimethylammonium chloride 112-03-8, Stearyltrimethylammonium chloride 122-18-9, Cetyltrimethylbenzylammonium chloride 123-03-5, Cetylpyridinium chloride 138-32-9, Cetrimonium tosylate 139-07-1, Lauryldimethylbenzylammonium chloride 1812-53-9, Dicetyltrimethylammonium chloride 3401-74-9, Dilauryldimethylammonium chloride 7722-84-1, Hydrogen peroxide, biological studies 9000-01-5, Gum arabic 9000-30-0, Guar gum 9004-58-4, Hydroxyethyl ethylcellulose 9004-62-0, Hydroxyethylcellulose 9004-64-2, Hydroxypropylcellulose 9004-65-3, HPMC 9004-67-5, Methyl cellulose 9006-65-9, Dimethicone 9041-56-9, Hydroxybutyl methyl cellulose 11138-66-2, Xanthan gum 15809-05-9, Eicosyltrimethylammonium chloride 17301-53-0, Behenyltrimethylammonium chloride 28880-55-9 35239-12-4, Tris(2-hydroxyethyl)stearyl ammonium chloride 37139-99-4, Oleyldimethylbenzylammonium chloride 81646-13-1, Behenyltrimethylammonium methosulfate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (**hair** lightening and highlighting compns. containing peroxy compds.)
- IT 7664-38-2, Phosphoric acid, uses 7664-93-9, Sulfuric acid, uses
 RL: NUU (Other use, unclassified); USES (Uses)
 (**hair** lightening and highlighting compns. containing peroxy compds.)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2000:116870 HCAPLUS
 DOCUMENT NUMBER: 132:156522
 TITLE: Opaque **hair** conditioning composition
 containing monoalkyl and dialkyl quats
 INVENTOR(S): **Pyles, Daniel Raymond**
 PATENT ASSIGNEE(S): Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited
 SOURCE: PCT Int. Appl., 15 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000007563	A1	20000217	WO 1999-EP5482	19990729
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6149899	A	20001121	US 1998-130955	19980807
CA 2339377	AA	20000217	CA 1999-2339377	19990729
AU 9954161	A1	20000228	AU 1999-54161	19990729
AU 739036	B2	20011004		
BR 9912768	A	20010508	BR 1999-12768	19990729
EP 1104285	A1	20010606	EP 1999-940088	19990729
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002522371	T2	20020723	JP 2000-563249	19990729
PRIORITY APPLN. INFO.:			US 1998-130955	A 19980807
			WO 1999-EP5482	W 19990729
AB	The present invention relates an opaque conditioner which comprises a monoalkyl quat from C16 to higher C chain lengths (preferably C16 to C22) and a dialkyl quat from C20 to C22. Also included is an amount of fatty alc. necessary to opacify the conditioner. The monoalkyl quat is necessary in a ratio to the dialkyl quat of about not less than 4:1. An example composition contained cetrimonium chloride 30% active 2.8, didocosyldimethylammonium chloride 0.21, and cetyl alc. 3.0%. The fatty alc. is present in an amount from about 1 % to about 4 %.			
IC	ICM A61K007-50			
CC	62-3 (Essential Oils and Cosmetics)			
ST	quaternary ammonium hair conditioner			
IT	Quaternary ammonium compounds, biological studies			
RL:	BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)			
	(alkyltrimethyl, chlorides; opaque hair conditioning composition containing monoalkyl and dialkyl quats)			
IT	Hair preparations			
	(conditioners; opaque hair conditioning composition containing monoalkyl and dialkyl quats)			
IT	Quaternary ammonium compounds, biological studies			
RL:	BUU (Biological use, unclassified); BIOL (Biological study); USES			

(Uses)

(dialkyldimethyl, chlorides; opaque **hair** conditioning composition containing monoalkyl and dialkyl quats)

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

BIOL (Biological study); USES (Uses)

(fatty; opaque **hair** conditioning composition containing monoalkyl and dialkyl quats)

IT Shampoos

(opaque **hair** conditioning composition containing monoalkyl and dialkyl quats)

IT 112-02-7, Cetrimonium chloride 1471-93-8, Dieicosyldimethylammonium chloride 17301-53-0, Behentrimonium chloride 26597-36-4, Didocosyldimethylammonium chloride 36653-82-4, Cetyl alcohol

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(opaque **hair** conditioning composition containing monoalkyl and dialkyl quats)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 8 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:116869 HCAPLUS

DOCUMENT NUMBER: 132:156521

TITLE: Opaque **hair** conditioning composition containing mono- and dialkyl quats

INVENTOR(S): Pyles, Daniel Raymond

PATENT ASSIGNEE(S): Unilever PLC, UK; Unilever NV; Hindustan Lever Limited

SOURCE: PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000007562	A1	20000217	WO 1999-EP5481	19990729
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2339596	AA	20000217	CA 1999-2339596	19990729
AU 9953725	A1	20000228	AU 1999-53725	19990729
BR 9912767	A	20010508	BR 1999-12767	19990729
EP 1100458	A1	20010523	EP 1999-939420	19990729
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002522370	T2	20020723	JP 2000-563248	19990729
US 2001014317	A1	20010816	US 2001-809621	20010315
US 2003118543	A1	20030626	US 2002-243223	20020913
PRIORITY APPLN. INFO.:			US 1998-130956	A 19980807
			WO 1999-EP5481	W 19990729
			US 2001-809621	A1 20010315

AB The present invention relates to an opaque conditioner which comprises a monoalkyl quat from C16 to higher C chain lengths (preferably C16 to C22) and a dialkyl quat from C16 to higher C chain lengths (preferably C16 to C18). Also included is an amount of fatty alc. necessary to opacify the conditioner. The monoalkyl quat is necessary in a ratio to the dialkyl quat of about not less than 2:1. An example monoalkyl quat is cetrimonium chloride and the dialkyl quat is distearyldimonium chloride. The fatty alc. is present in an amount from about 1 % to about 4 %.

IC ICM A61K007-50

CC 62-3 (Essential Oils and Cosmetics)

ST quaternary ammonium **hair** conditioner

IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkyltrimethyl, chlorides; opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT **Hair** preparations
(conditioners; opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT Quaternary ammonium compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(dialkyldimethyl, chlorides; opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(fatty; opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT Shampoos
(opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT 107-64-2, Distearyldimonium chloride 112-02-7, Cetrimonium chloride 1812-53-9, Dicetyldimonium chloride 17301-53-0, Behentrimonium chloride
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(opaque **hair** conditioning composition containing mono- and dialkyl quats)

IT 36653-82-4, Cetyl alcohol
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(opaque **hair** conditioning composition containing mono- and dialkyl quats)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:15486 HCAPLUS

DOCUMENT NUMBER: 126:79762

TITLE: Stable conditioning shampoo containing an anionic surfactant, a fatty alcohol, and polyethyleneimine

INVENTOR(S): Pyles, Daniel R.

PATENT ASSIGNEE(S): Helene Curtis, Inc., USA

SOURCE: U.S., 13 pp., Cont.-in-part of U.S. Ser. No. 305,069, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5576279	A	19961119	US 1995-538249	19951003
US 5710114	A	19980120	US 1996-654864	19960529

PRIORITY APPLN. INFO.:

US 1993-63015	B2	19930517
US 1994-305069	B2	19940913
US 1995-538249	A1	19951003

AB A conditioning shampoo containing an anionic surfactant, a long-chain fatty alc., and a cationic polyethyleneimine, has extended product stability, excellent cleansing and foaming properties, and provides excellent and improved overall conditioning to human hair, particularly superior wet and dry combing properties. A conditioning shampoo contained water 58.00, polymin P 1.50, 30% sodium lauryl sulfate solution 17.50, octanol 2.00, 30% ammonium lauryl sulfate solution 17.50, and 50% citric acid solution 3.5%.

IC ICM C11D001-02
ICS C11D003-37

NCL 510122000

CC 62-3 (Essential Oils and Cosmetics)

ST shampoo conditioner anionic surfactant fatty alc; polyethyleneimine
shampoo conditioner surfactant fatty alc

IT Sulfonates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkanesulfonates; stable conditioning shampoo containing anionic surfactant, fatty alc., and polyethyleneimine)

IT Surfactants
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(anionic; stable conditioning shampoo containing anionic surfactant, fatty alc., and polyethyleneimine)

IT Shampoos
(conditioning; stable conditioning shampoo containing anionic surfactant, fatty alc., and polyethyleneimine)

IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty, C8-18; stable conditioning shampoo containing anionic surfactant, fatty alc., and polyethyleneimine)

IT 107-64-2, Distearyltrimonium chloride 111-87-5, Octanol, biological studies 112-30-1, 1-Decanol 112-53-8, 1-Dodecanol 112-72-1, Myristyl alcohol 112-92-5, 1-Octadecanol 151-21-3, Sodium lauryl sulfate, biological studies 2235-54-3, Ammonium lauryl sulfate 7664-93-9D, Sulfuric acid, alkyl derivs., biological studies 9002-98-6 9005-64-5, Polysorbate 20 26913-06-4, Poly[imino(1,2-ethanediyl)] 36653-82-4, 1-Hexadecanol 53038-58-7, Ethylenimine-1,2-dichloroethane copolymer 74913-72-7, Polymine P 94247-10-6, Isodecyl laurate
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable conditioning shampoo containing anionic surfactant, fatty alc., and polyethyleneimine)

L2 ANSWER 10 OF 10 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:309108 HCAPLUS

DOCUMENT NUMBER: 122:63997

TITLE: Stable conditioning shampoo containing an anionic surfactant, a fatty alcohol, a silicone conditioner

INVENTOR(S) : and polyethyleneimine
 Pyles, Daniel Raymond
 PATENT ASSIGNEE(S) : Helene Curtis, Inc., USA
 SOURCE: Eur. Pat. Appl., 31 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 627216	A2	19941207	EP 1994-107636	19940517
EP 627216	A3	19970305		
EP 627216	B1	20030806		
R: DE, DK, ES, FR, GB, IT, SE				
CA 2123532	AA	19941118	CA 1994-2123532	19940513
NO 9401841	A	19941118	NO 1994-1841	19940516
AU 9463105	A1	19941124	AU 1994-63105	19940516
AU 678450	B2	19970529		
JP 07048236	A2	19950221	JP 1994-137779	19940517
ES 2204905	T3	20040501	ES 1994-107636	19940517
PRIORITY APPLN. INFO.:			US 1993-63015	A 19930517
AB	A conditioning shampoo containing an anionic surfactant, a long-chain fatty alc., a cationic polyethyleneimine, and optionally a non-volatile silicone material has extended product stability, excellent cleansing and foaming properties, and provides excellent and improved overall conditioning to human hair, particularly superior wet and dry combing properties. A shampoo conditioner contained 50% polyethyleneimine 1.00, Dynol-120 33.40, cocamide MEA 1.00, Liquid 50% citric acid, 1.35, Kathon CG 0.05, DMDM hydantoin/glidant 0.10, and water 63.10%.			
IC	ICM A61K007-50 ICS A61K007-08			
CC	62-3 (Essential Oils and Cosmetics)			
ST	shampoo conditioner anionic surfactant fatty alc; silicone polyethyleneimine shampoo conditioner surfactant alc			
IT	Siloxanes and Silicones, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)			
IT	Alcohols, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (C16-18, stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)			
IT	Sulfonates RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (alkane, stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)			
IT	Surfactants (anionic, stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)			
IT	Shampoos (conditioning, stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)			
IT	Alcohols, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES			

(Uses)

(fatty, stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)

IT 9002-98-6

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(cationic; stable conditioning shampoo containing anionic surfactant, fatty alc., silicone and polyethyleneimine)

IT 112-53-8, Lauryl alcohol 112-72-1, Myristyl alcohol 2235-54-3,
Ammonium lauryl sulfate 7664-93-9D, Sulfuric acid, alkyl and alkyl ether
derivs. 32612-48-9, Ammonium laureth sulfate 36653-82-4, Cetyl alcohol
94247-10-6, Isodecyl laurate

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(stable conditioning shampoo containing anionic surfactant, fatty alc.,
silicone and polyethyleneimine)